

L20 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1985:597452 CAPLUS
DN 103:197452
ED Entered STN: 14 Dec 1985
TI Applying cured resin coatings to substrates
IN Sloboda, G. R.
PA UCB S. A., Belg.
SO Eur. Pat. Appl., 15 pp.
CODEN: EPXXDW
DT Patent
LA French
IC ICM B05D003-06
ICS B05D001-00; B44C001-16
CC 42-2 (Coatings, Inks, and Related Products)
FAN.CNT 1

UV cure.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 141796	A1	19850515	EP 1984-870138	19840920 <--
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
PRAI	US 1983-534319	A	19830921		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
<u>EP 141796</u>	ICM	B05D003-06
	ICS	B05D001-00; B44C001-16

AB In the title process, giving good adhesion, a solid, radiocurable film is bonded to the substrate by heat and pressure and then cured by UV light or electron beams. A carrier film can be used to protect the surface of the coating film from air during curing.
ST film radiocurable coating substrate; electron beam curing coating; UV curing film coating; crosslinking radiochem film coating
IT Electron beam, chemical and physical effects
(crosslinking by, of coating films)
IT Coating process
(with solid films, by thermal bonding and radiochem. crosslinking)
IT Crosslinking
(radiochem., of coating films, thermally bonded)

L20 ANSWER 2 OF 2 WPIX COPYRIGHT 2005 THE THOMSON CORP on STN
AN 1985-117898 [20] WPIX

DNN N1985-088706

TI Application of coatings to be cured by beam or UV radiation - using covered precast adhesive film and postlamination curing.

DC A32 P42 P78

IN SVOBODA, G R

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CYC 11

PI EP 141796 A 19850515 (198520)* FR 14 <--
R: AT BE CH DE FR GB IT LI LU NL SE

ADT EP 141796 A EP 1984-870138 19840820

PRAI US 1983-534319 19830921

REP EP 885; GB 1191011; US 3985602; US 4078015

IC B05D001-00; B05D003-06; B44C001-16

AB EP 141796 A UPAB: 19930925

A casting resin which can be cured by exposure to an electron beam or to UV radiation is applied as a prefabricated film to the intended substrate while still in an uncured state, and is subsequently cured by suitable irradiation.

USE/ADVANTAGE - Especially suitable for coating metal sheet or foil, paper,

fabric or other plastics films, to obtain cured coatings more quickly than by use of hot melt or thermosetting coatings. Better adhesion results from

a period of interfacial contact with the substrate, compared with simultaneous lamination and curing, because coating resins so cured tend to cure more quickly, than interfacial bonds can fully develop.

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